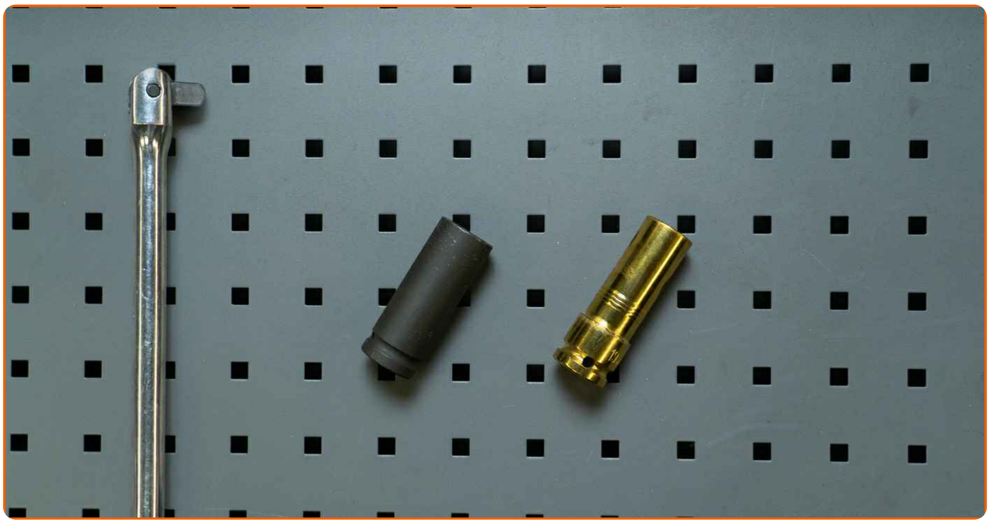
AUTODOC CLUB

How to change shock absorbers on a car – replacement tutorial

VIDEO TUTORIAL



REQUIRED TOOLS:



- Tap wrench
- Wheel impact socket
- Impact socket
- Jack

BUY TOOLS

Please note!

- The main function of shock absorbers is to dampen the oscillations of the suspension
- Shock absorbers are normally installed on the rear axle of the vehicle
- The spring is installed separately, which makes it easy to replace
- Shock absorbers can have bushings on both sides, or only at the bottom
- In this case, there's a piston rod and some space for the mount at the top of the part

1 To remove the shock absorber, you need to access the lower and upper fasteners



2 This may require removal of the wheel arch liner or disassembly of the interior trim



3

Clean and treat the fasteners



Important!

- The shock absorber limits the suspension travel, i.e. prevents the suspension from going lower than normal

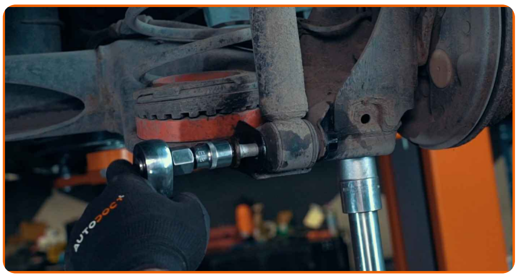
4

To take the load off the shock absorber and avoid getting injured by the spring, jack up the suspension a little before starting disassembly



5

Loosen the lower bolt, but don’t remove it. This will keep the shock absorber secured

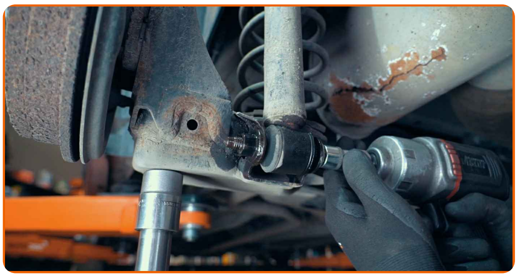


6

Unscrew and remove the upper fastener, then remove the lower bolt and dismount the shock absorber



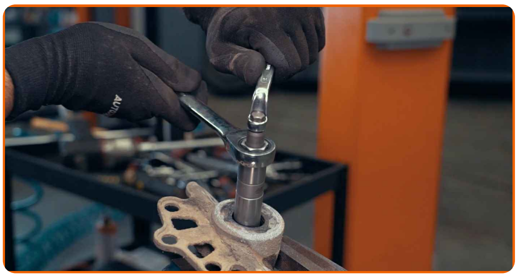
7 Suspension shock absorbers are always replaced in pairs on an axle, so remove the part on the opposite side as well



Please note!

- Depending on the shock absorber design, the rod can be secured in different ways
- Shock absorbers that have a mount in their design should be disassembled

8 To do this, secure the shock absorber’s piston rod in a vice and unscrew the fastener



9 Inspect the shock absorber mount and dust cover kit, and replace if necessary



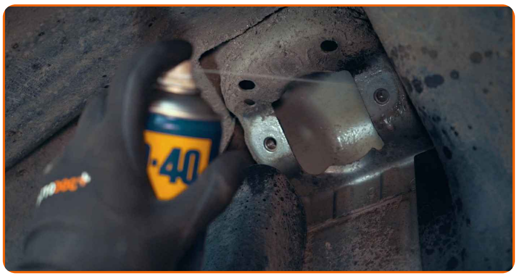
10 Prime the new shock absorber according to the manufacturer's instructions



AUTODOC recommends:

- After priming, the shock absorber should only be kept in a vertical position
- Otherwise, it will need to be primed again before installation

11 Before installing the shock absorber, clean its mounting seats on the car body and suspension components



12 If the shock absorber has a mount consisting of several parts, be sure to install them in the right order



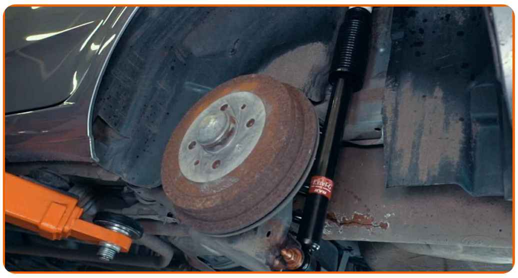
13 Fasteners with bushings should first only be screwed in



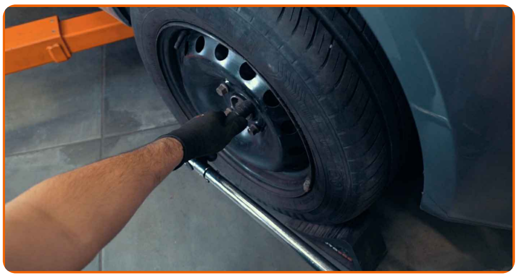
14 Only tighten them after the suspension is set in its working position



15 Clean the surface that will contact the wheel rim



16 Tighten the wheel fasteners with a torque wrench to the manufacturer's recommended torque



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